

FIG. 1

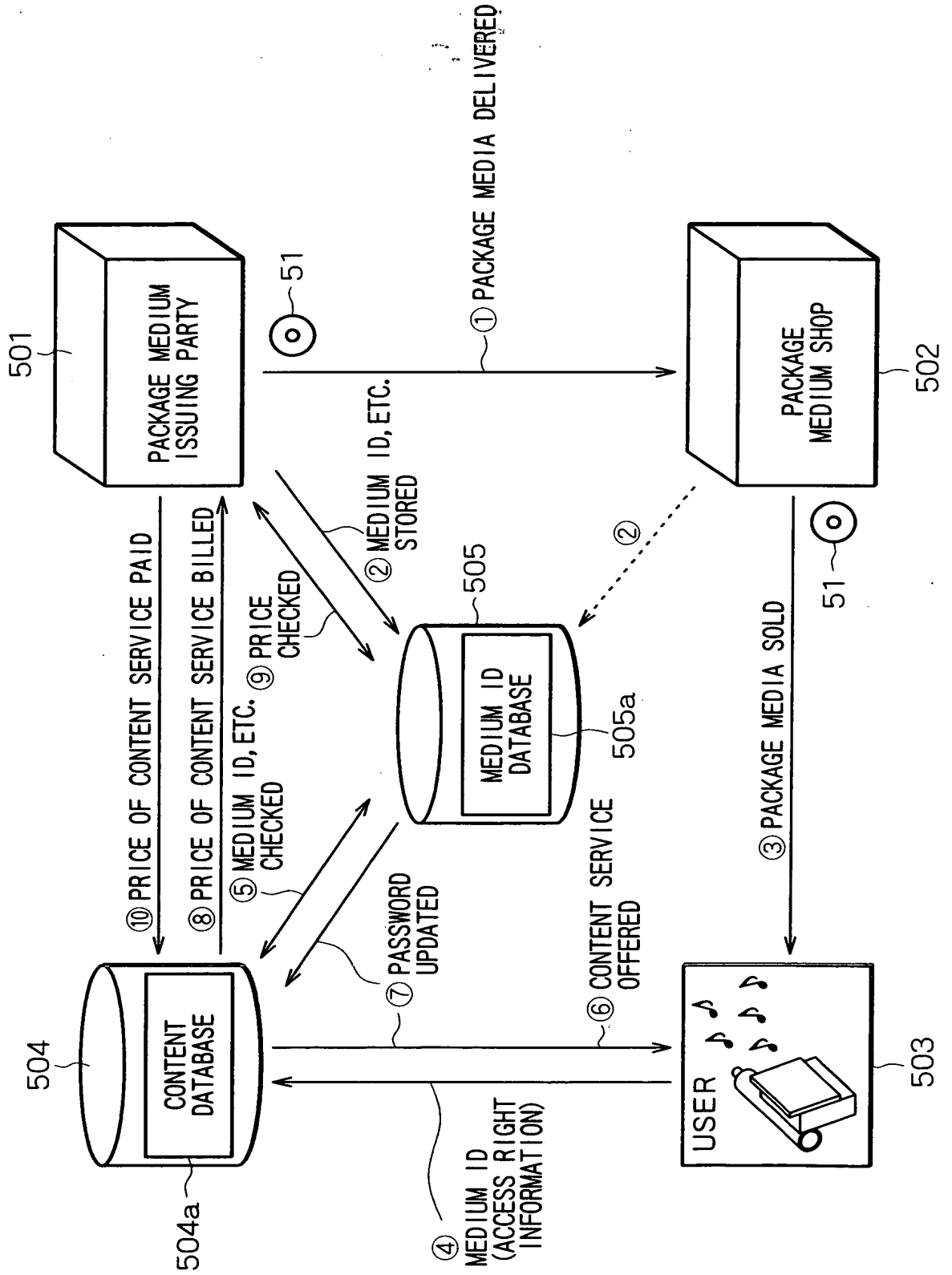


FIG. 2

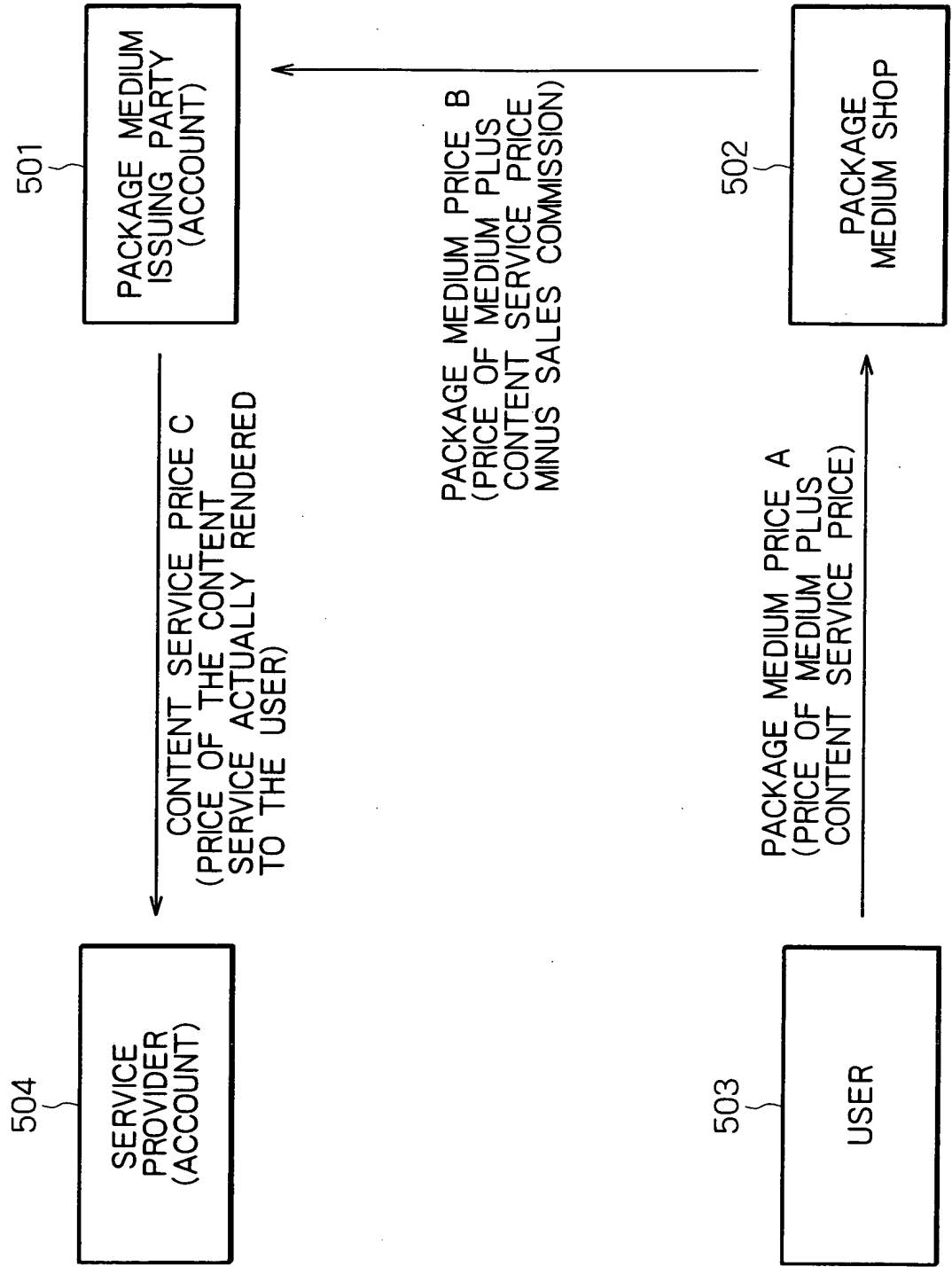


FIG. 3

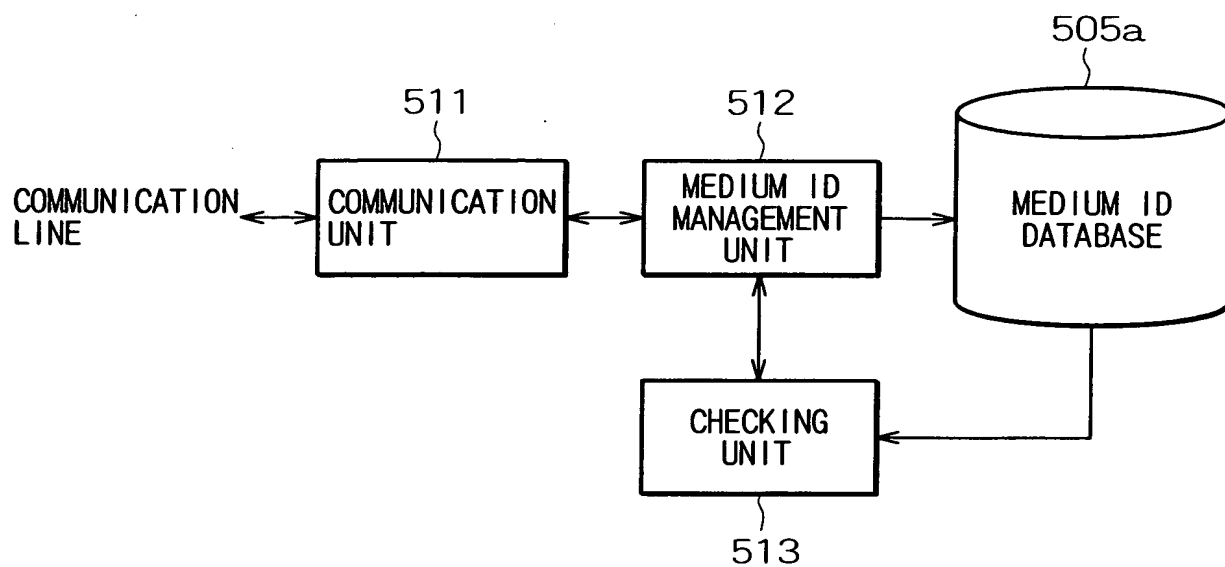


FIG. 4

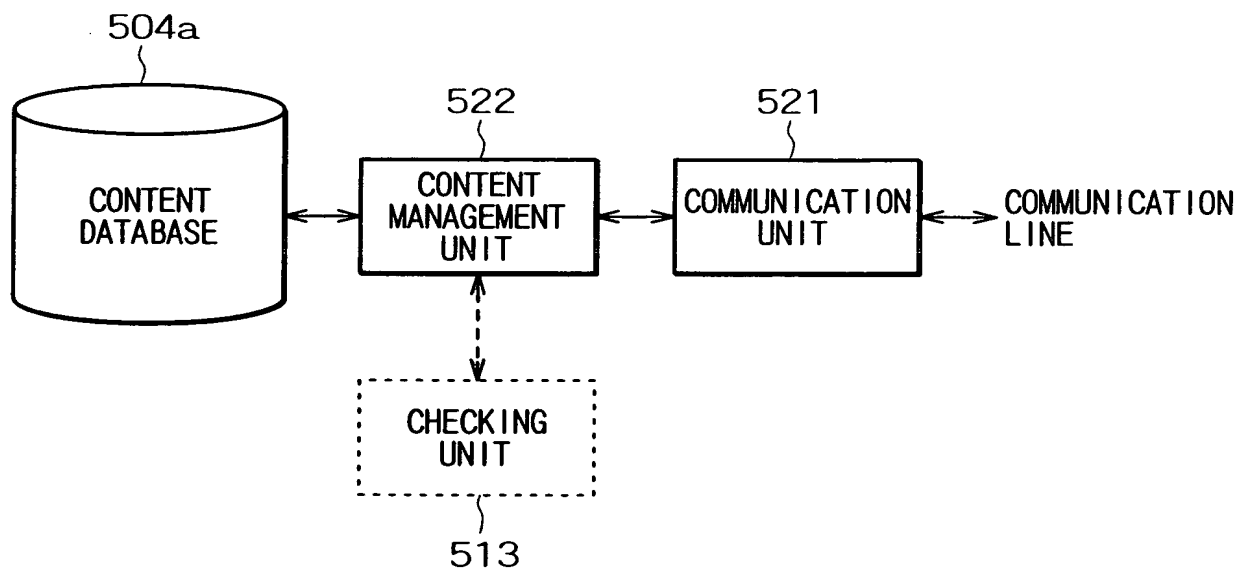


FIG. 5A

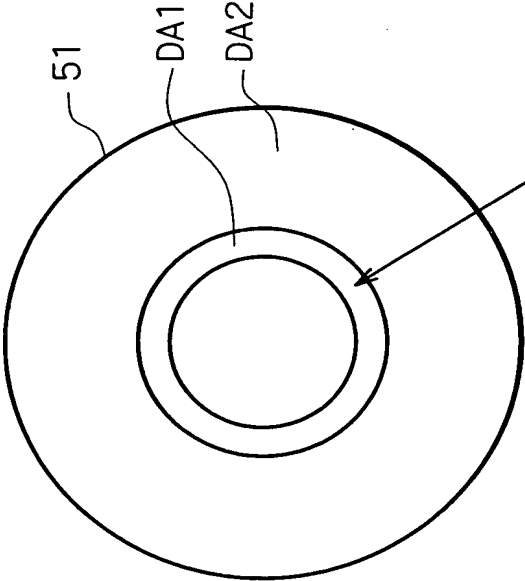


FIG. 5B

MEDIUM ID		ACCESS RIGHT INFORMATION		
ID	PASSWORD	CONTENT	UPLOAD	DOWNLOAD
10001A	qwerty	access Key	0 (AUTHORIZED)	0 (AUTHORIZED)

FIG. 6

MEDIUM ID		ACCESS RIGHT INFORMATION		
ID	PASSWORD	CONTENT	UPLOAD	DOWNLOAD
10001A	qwerty	/media/id/1001A/access Key	0 (AUTHORIZED)	0 (AUTHORIZED)
10002B	yuiop@	/media/id/1002B/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)
10003C	asdfg	/media/id/1003C/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)
10004A	zxcvbn	/media/id/1004D/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)
90009X	!"#\$%&'	/media/id/9009X/access Key	1 (UNAUTHORIZED)	0 (AUTHORIZED)

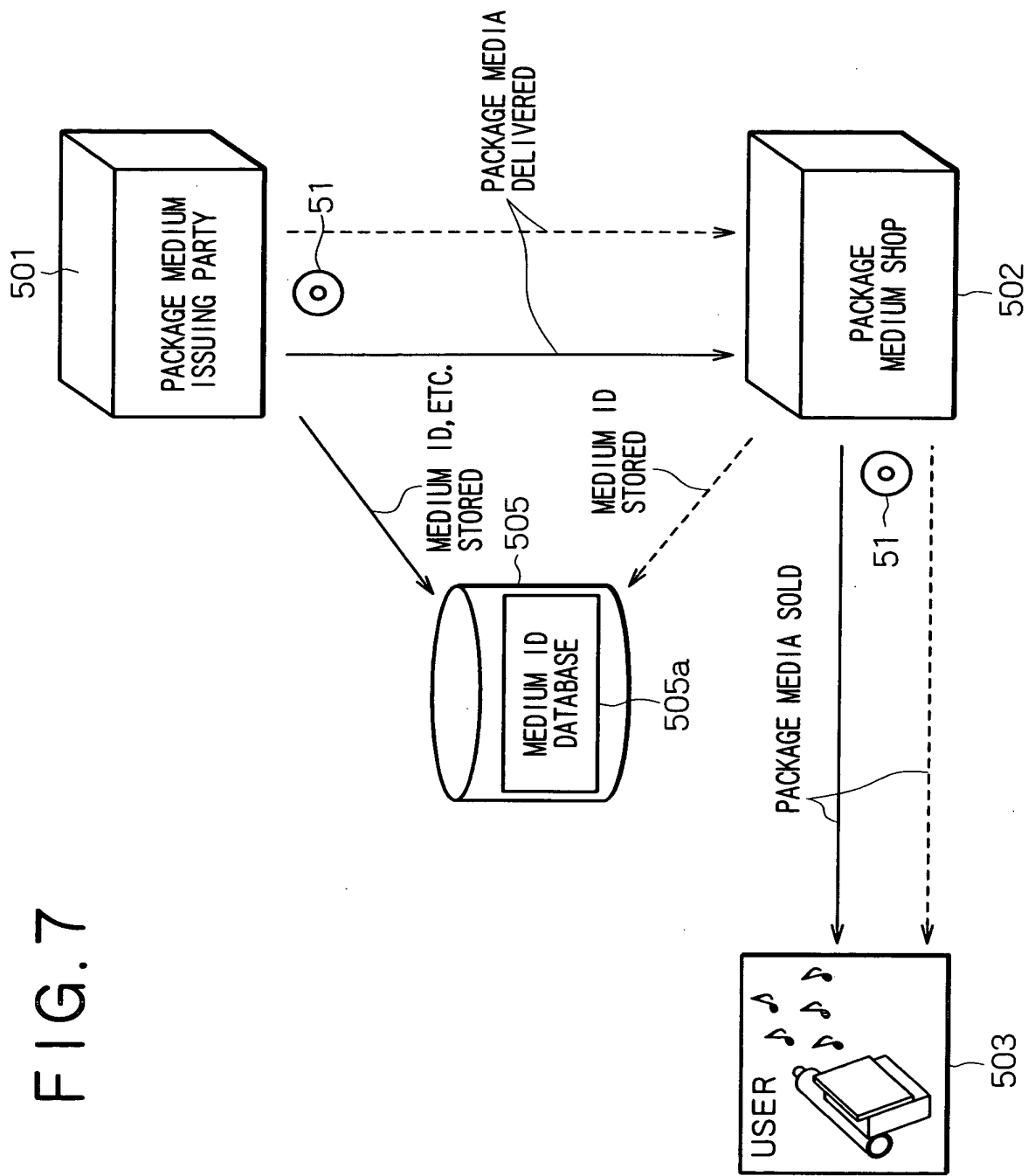
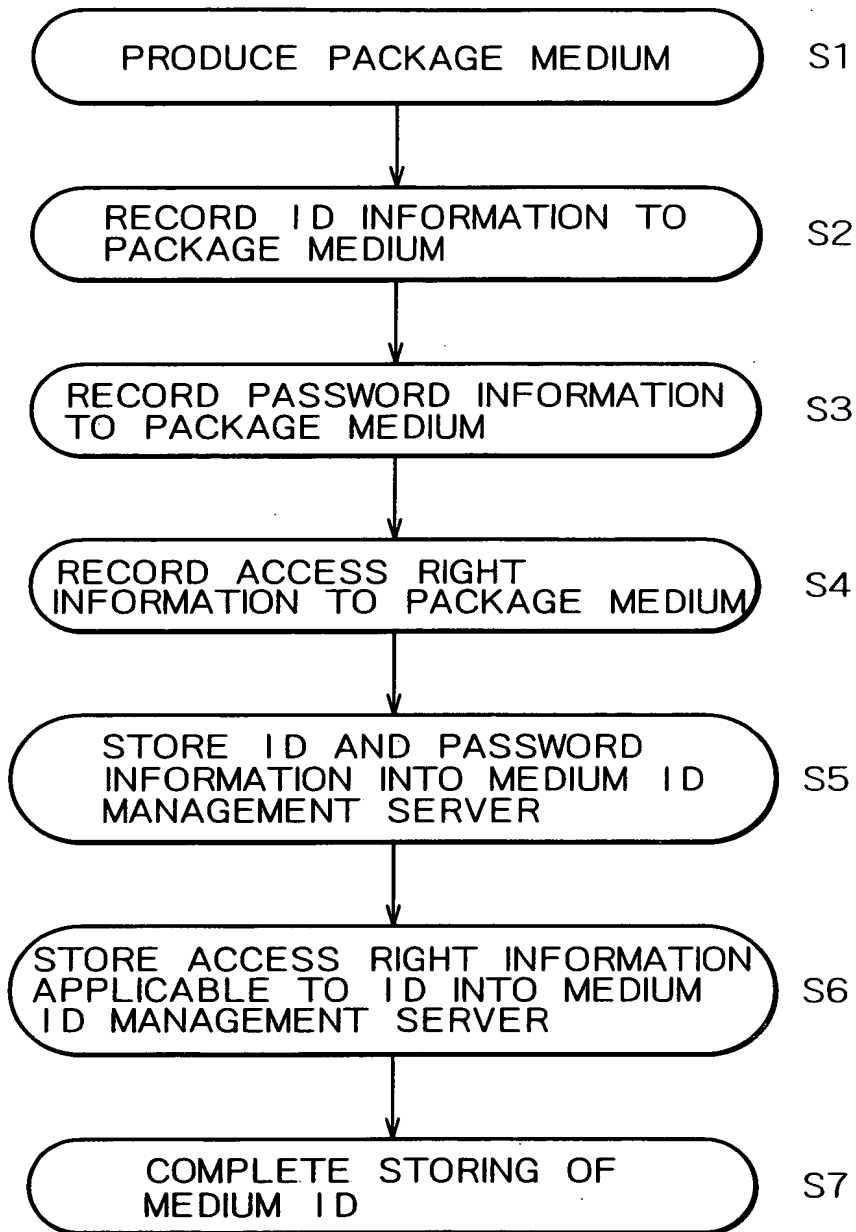


FIG. 8



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FIG. 9

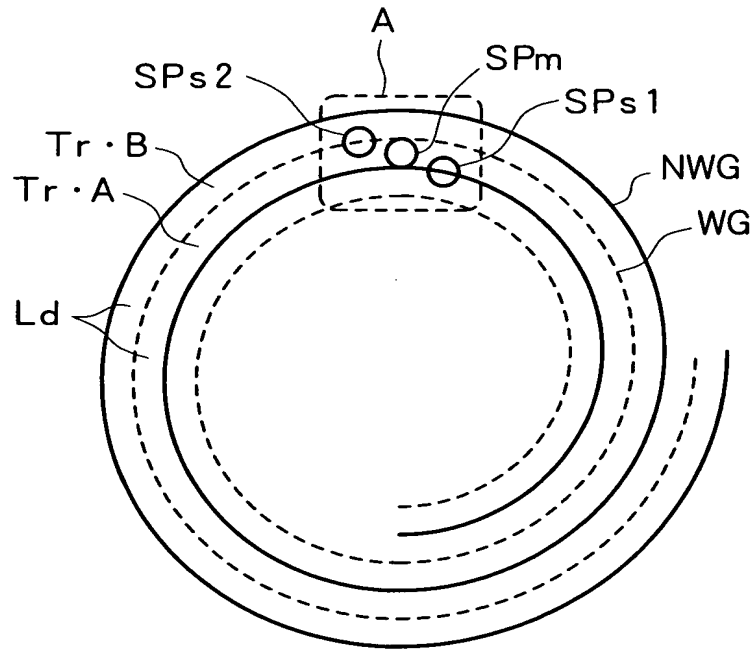


FIG. 10A FIG. 10B

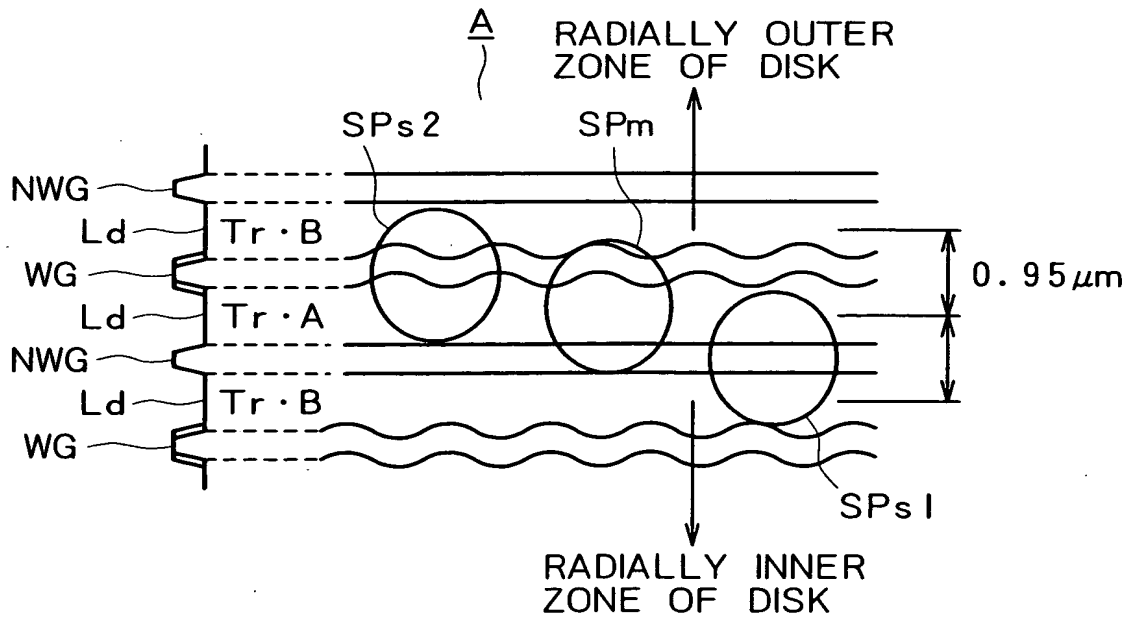


FIG. 11

	MD-DATA2	MD-DATA1
TRACK PITCH	0.95 μm	1.6 μm
BIT LENGTH	0.39 $\mu\text{m/bit}$	0.59 $\mu\text{m/bit}$
$\lambda \cdot \text{NA}$	650 nm \cdot 0.52	780 nm \cdot 0.45
RECORDING MODE	LAND RECORDING	GROOVE RECORDING
ADDRESS SYSTEM	INTERLACE ADDRESSING (DOUBLE-SPIRAL ONE-SIDE WOBBLE)	SINGLE-SPIRAL TWO-SIDE WOBBLE
MODULATION TECHNIQUE	RLL (1, 7)	EFM
ERROR CORRECTING SYSTEM	RS-PC	ACIRC
INTERLEAVE	BLOCK CONTAINED	CONVOLUTION
REDUNDANCY	19.7%	46.3%
LINEAR VELOCITY	2.0 m/s	1.2 m/s
DATA RATE	589 kB/s	133 kB/s
STORAGE CAPACITY	650 MB	140 MB

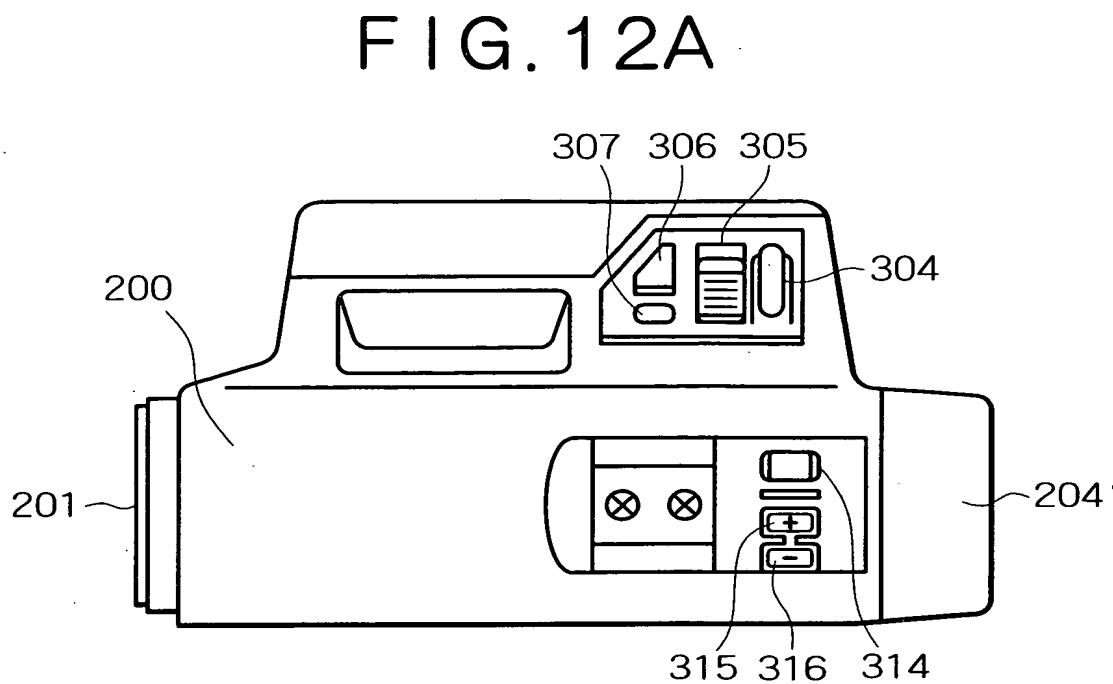


FIG. 12B

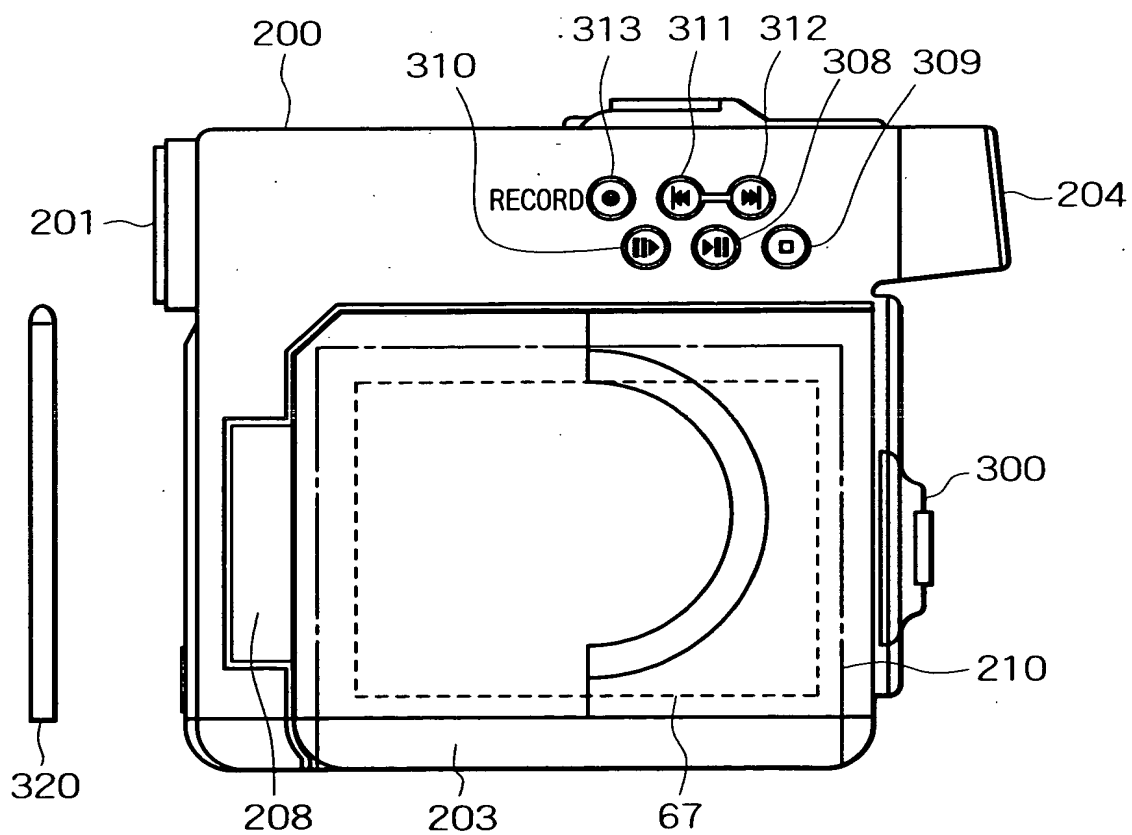


FIG. 13A

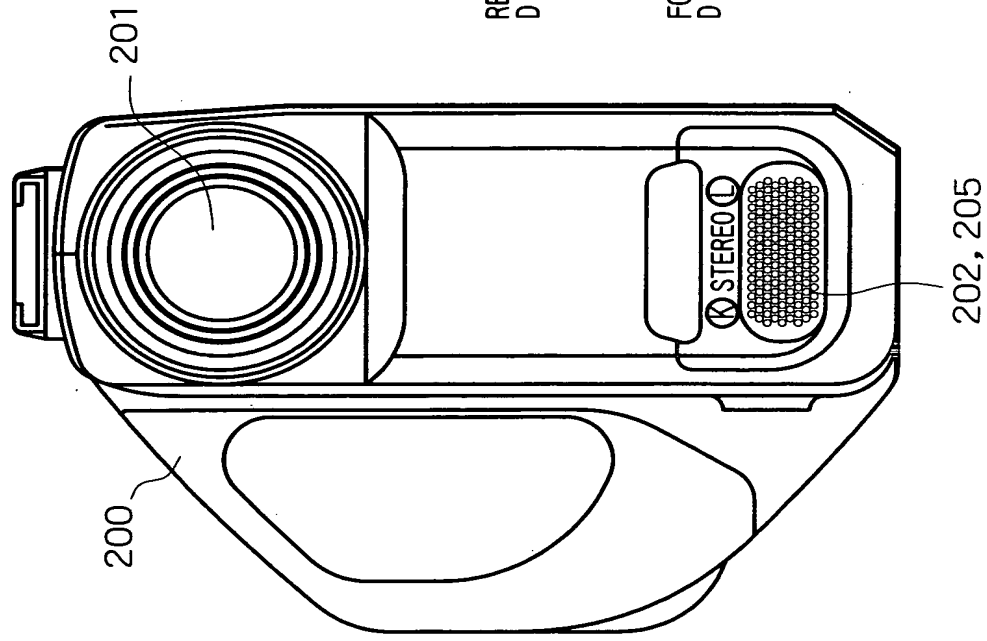


FIG. 13B

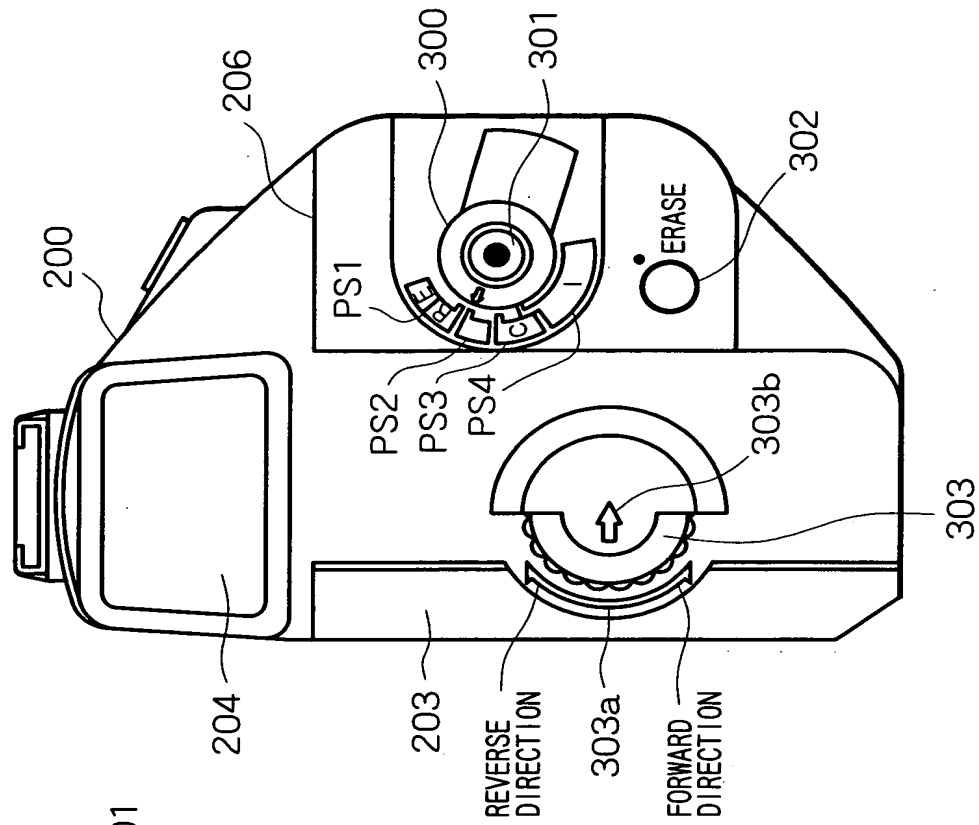


FIG. 14A

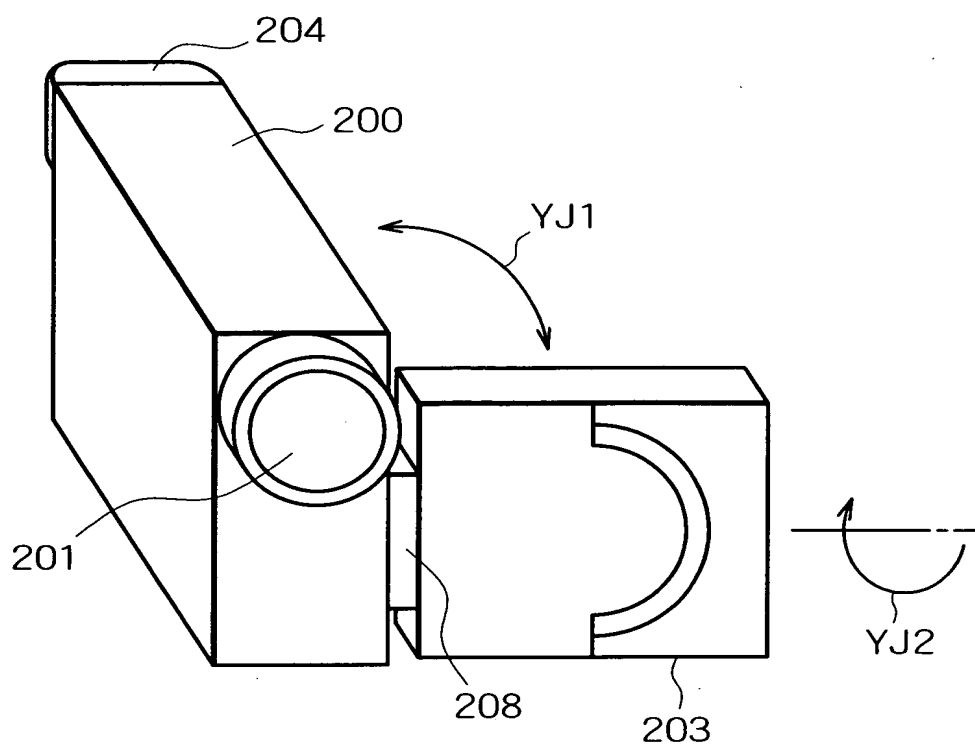


FIG. 14B

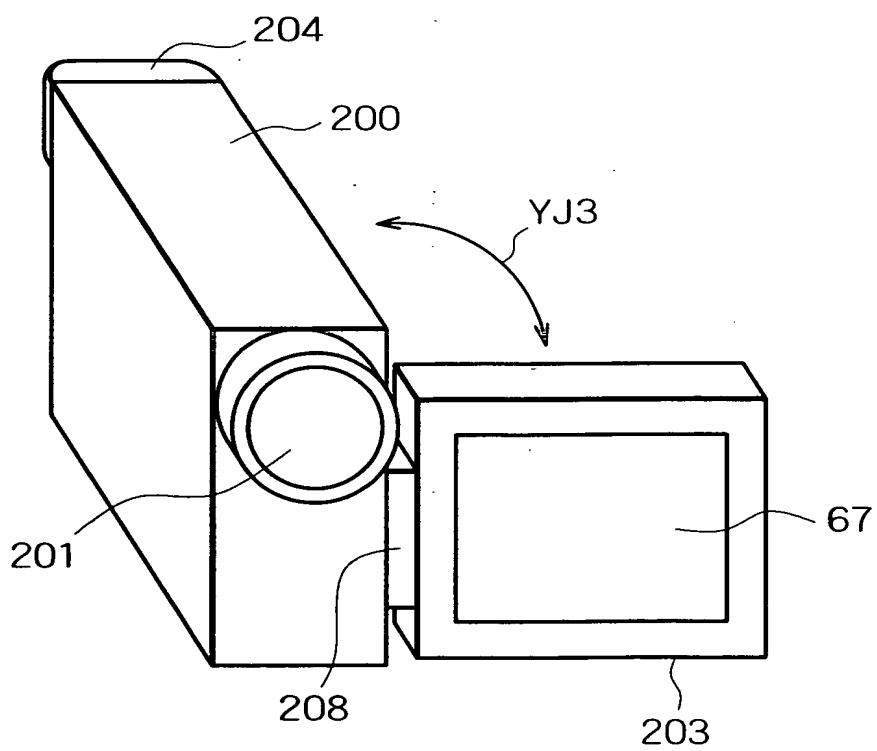


FIG. 15

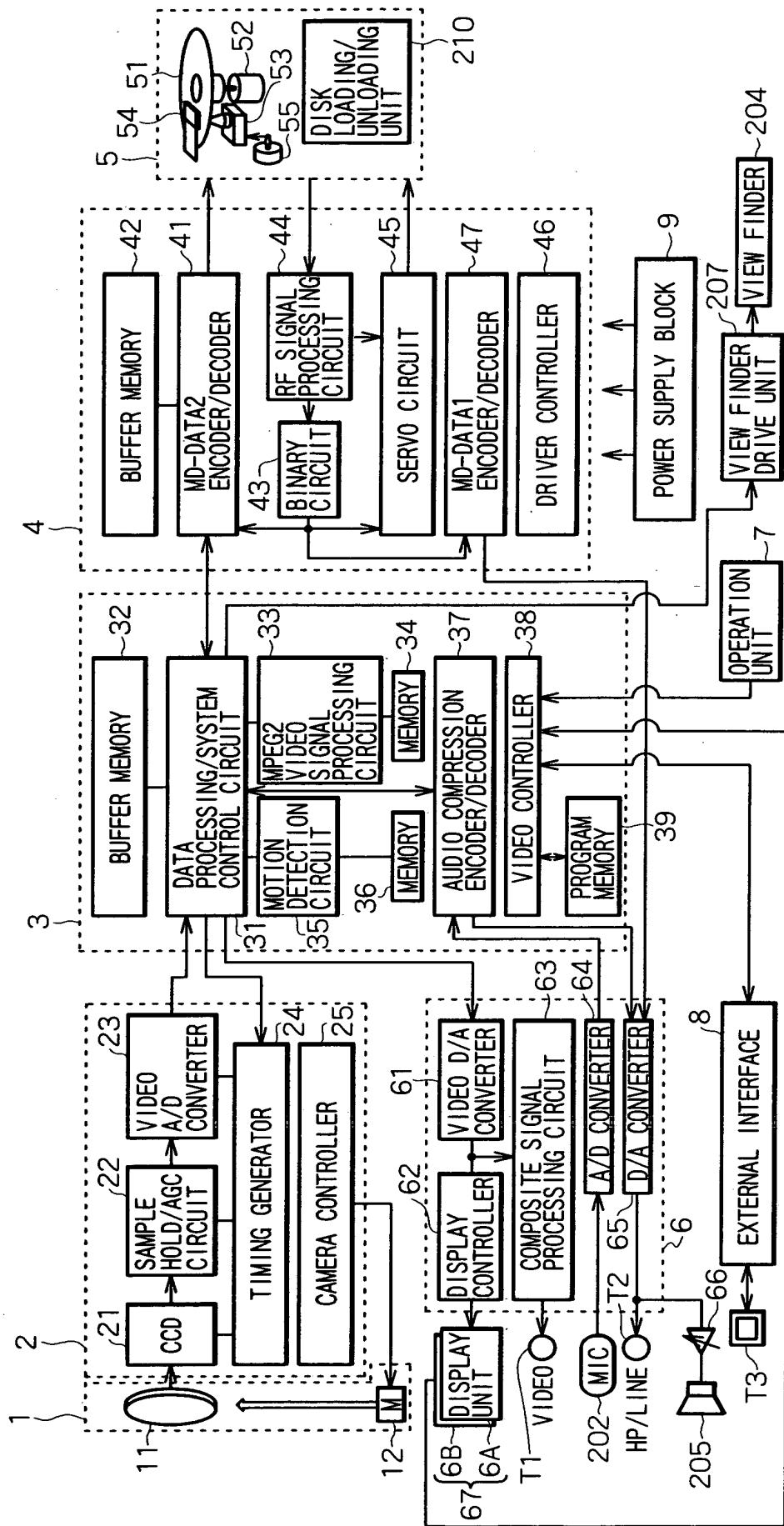


FIG. 17

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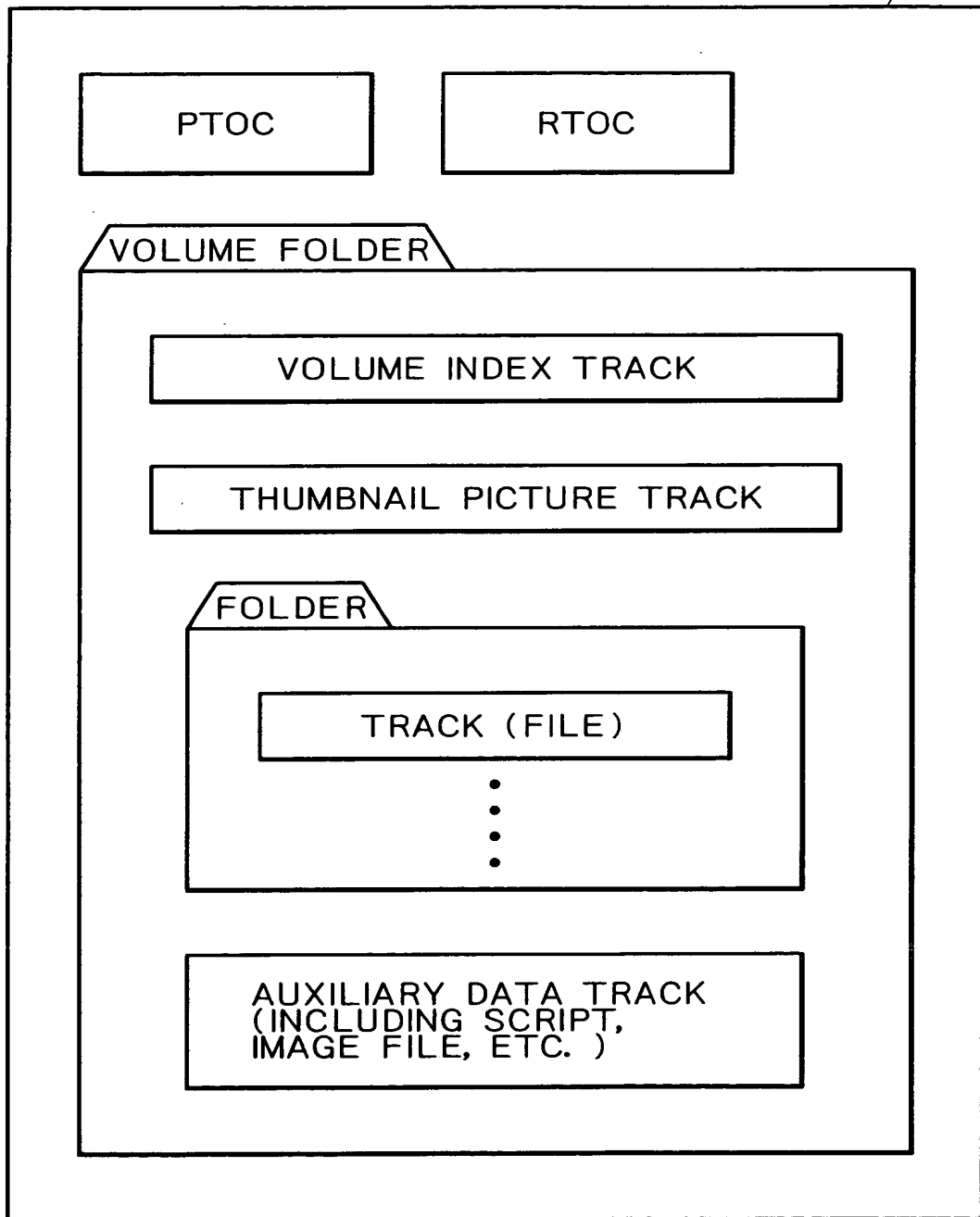
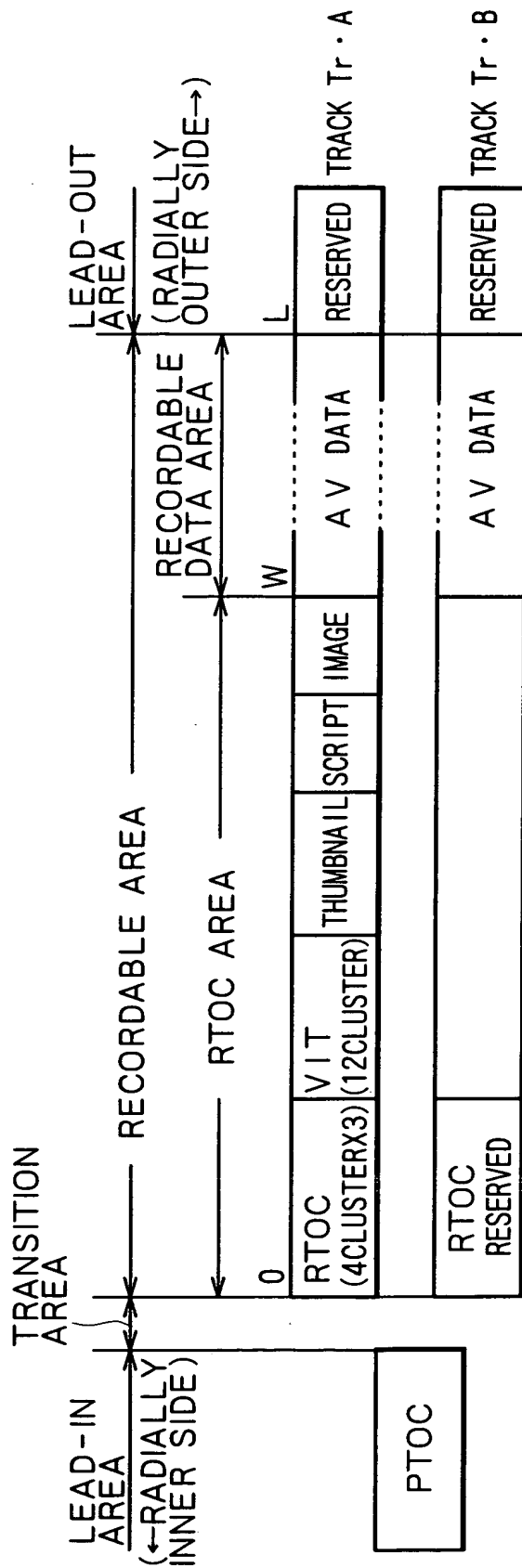


FIG. 17

FIG. 18



W: RECORDABLE DATA AREA START ADDRESS
L: LEAD-OUT AREA START ADDRESS

FIG. 20

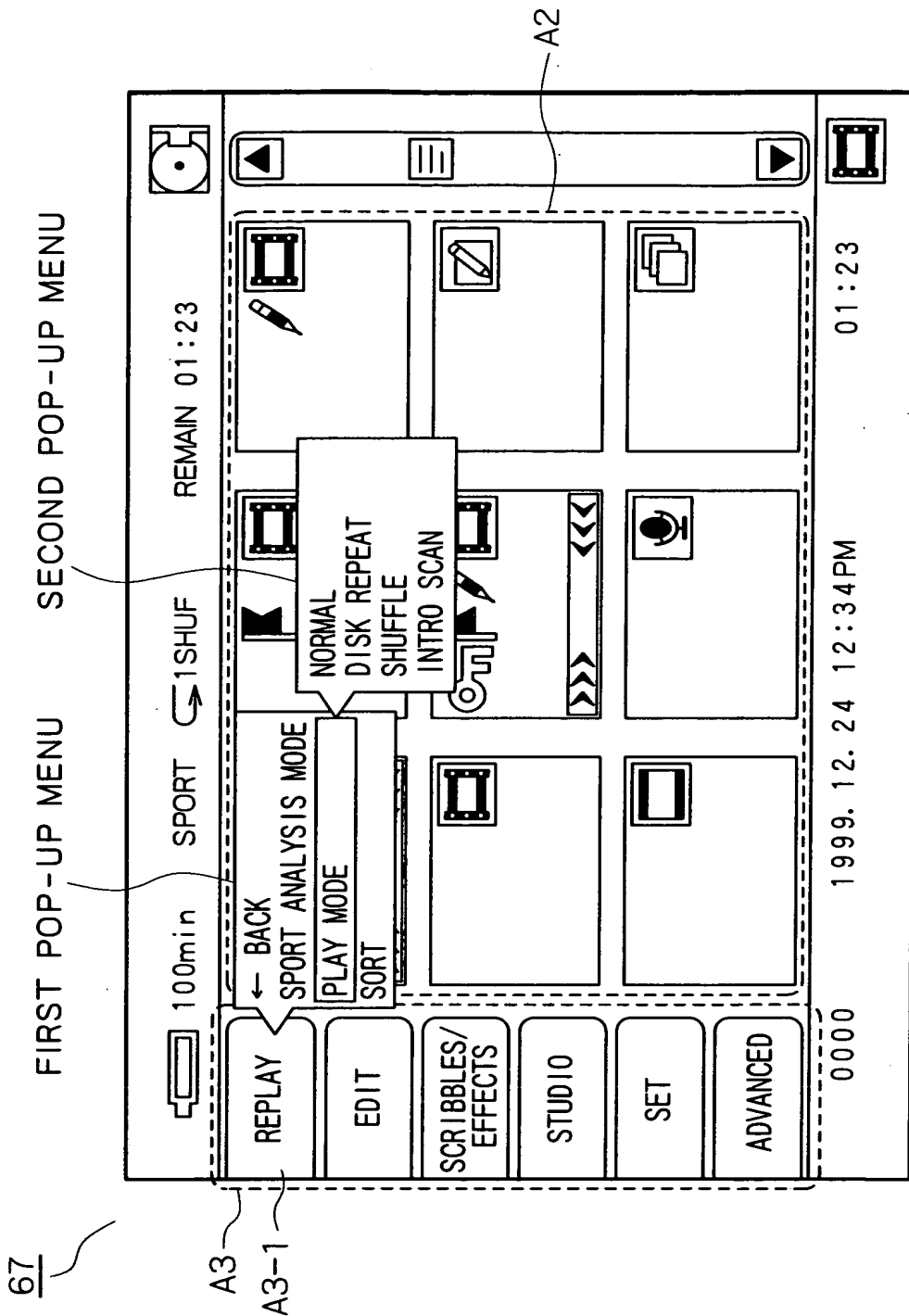


FIG. 21

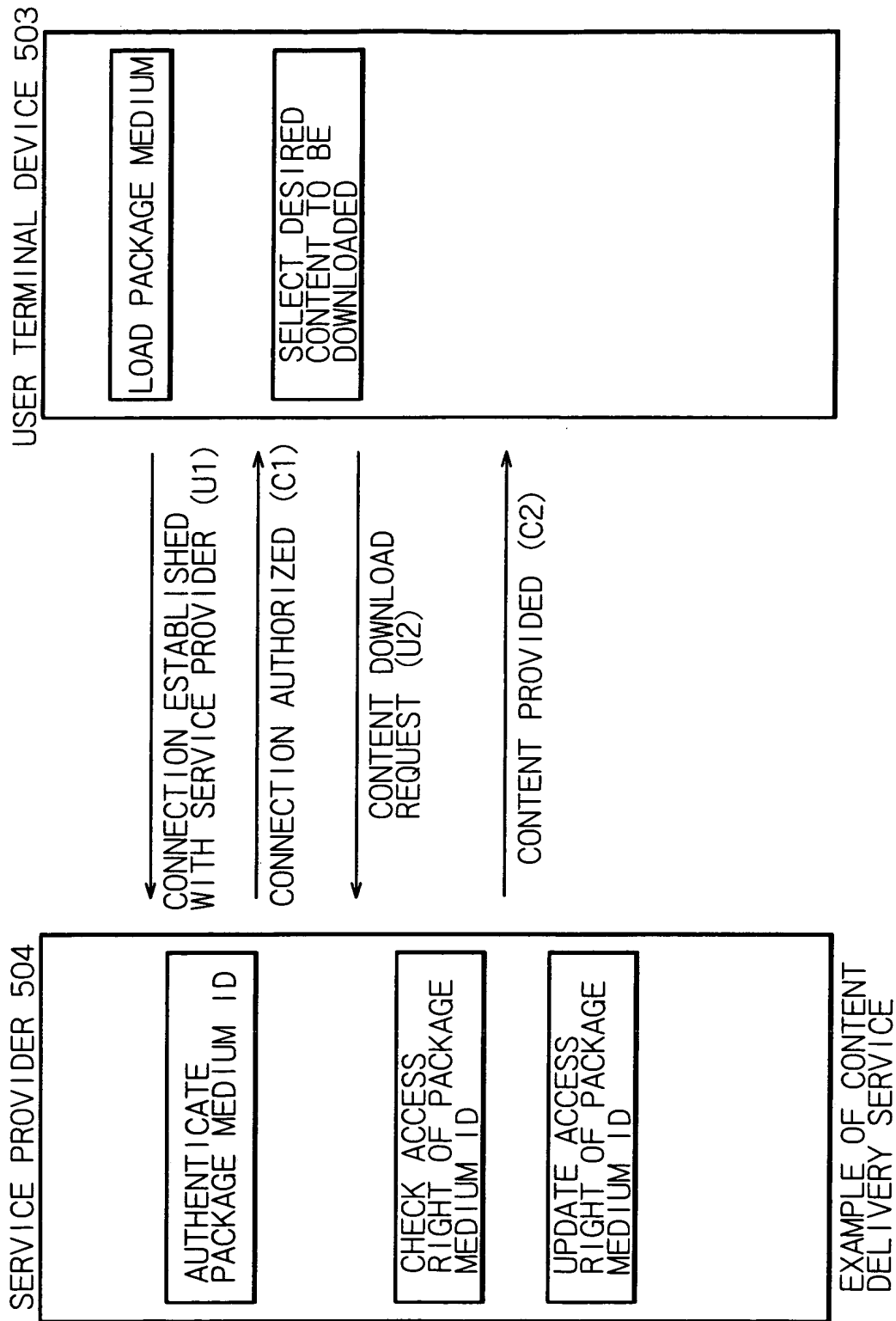


FIG. 22

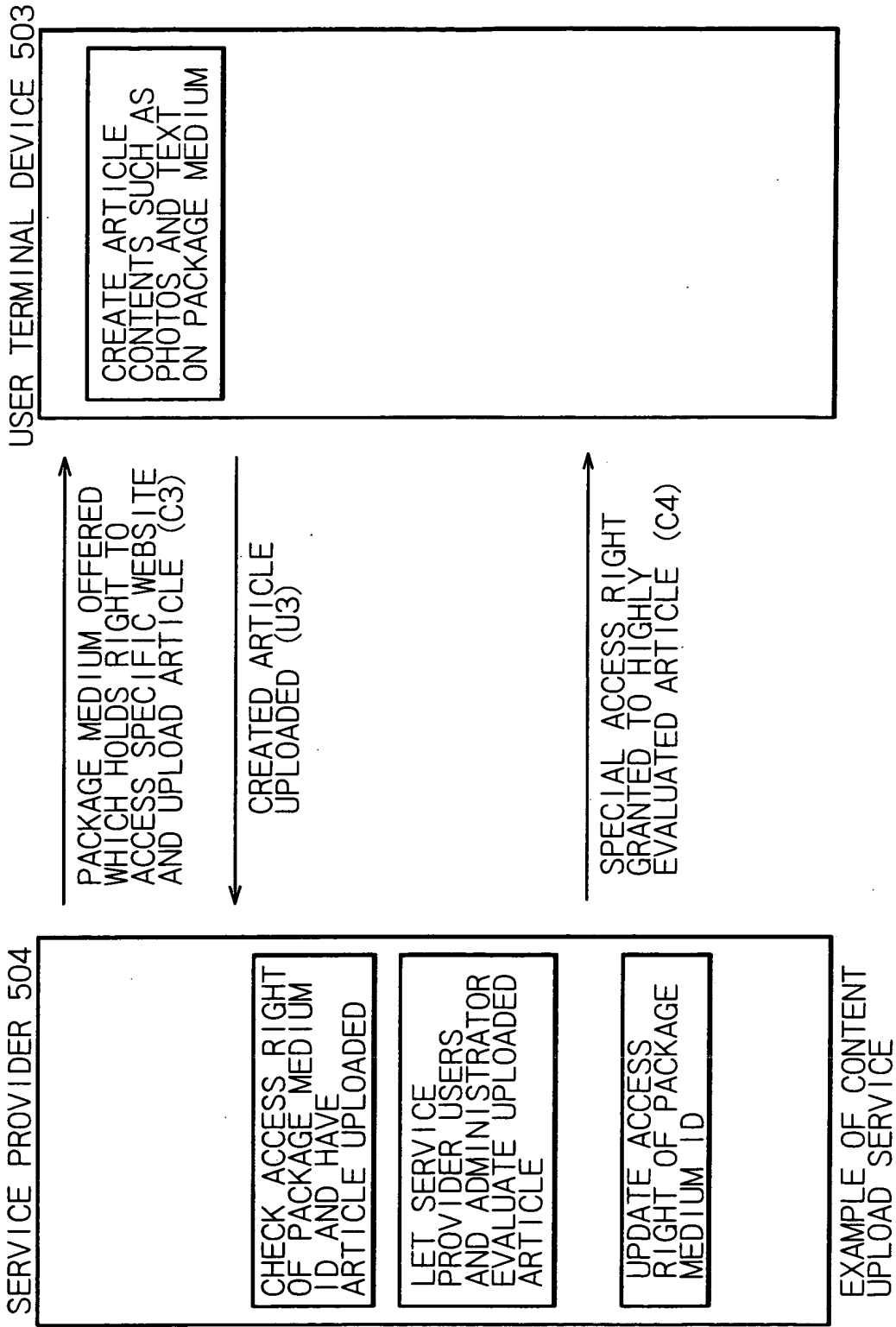
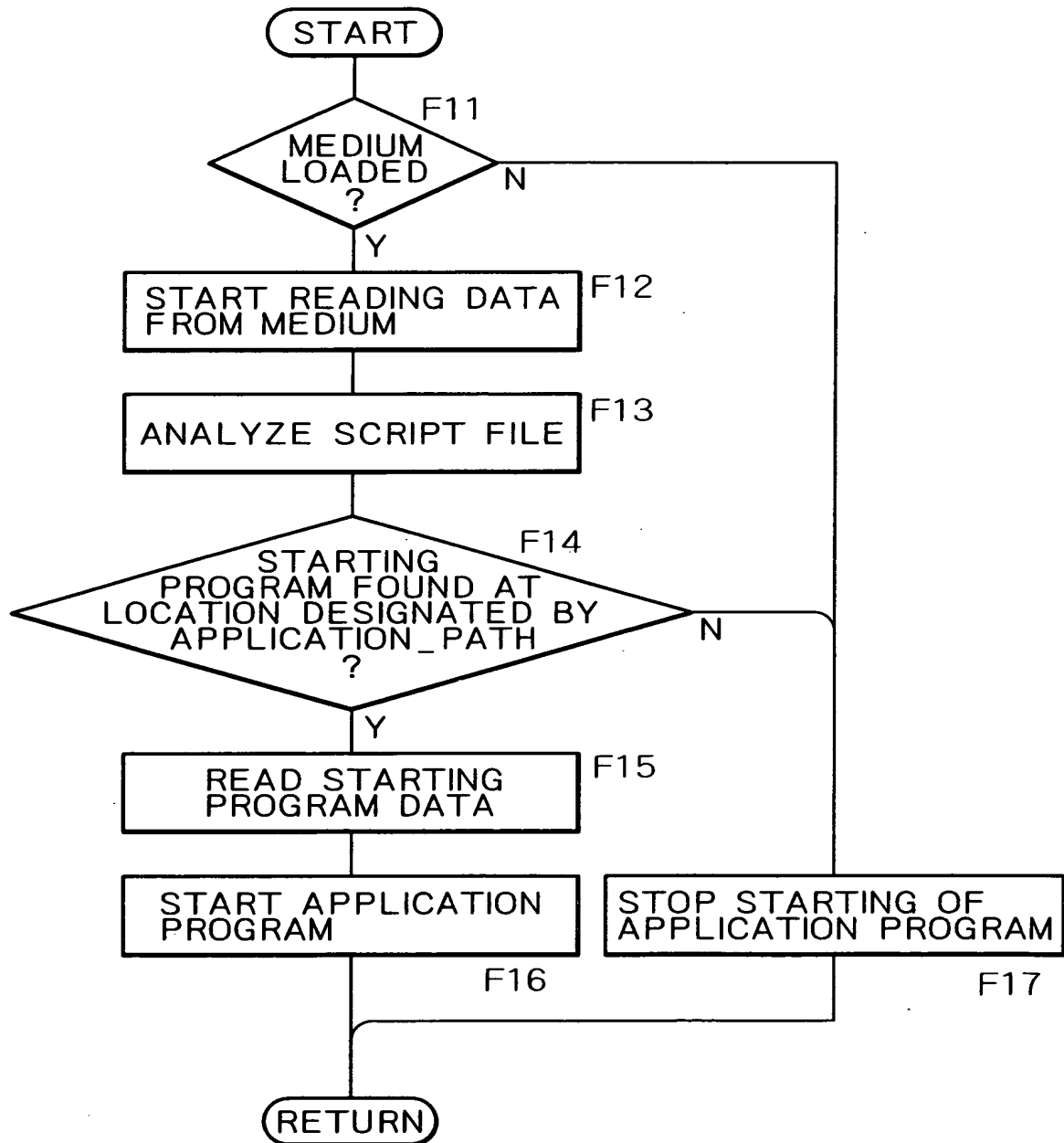
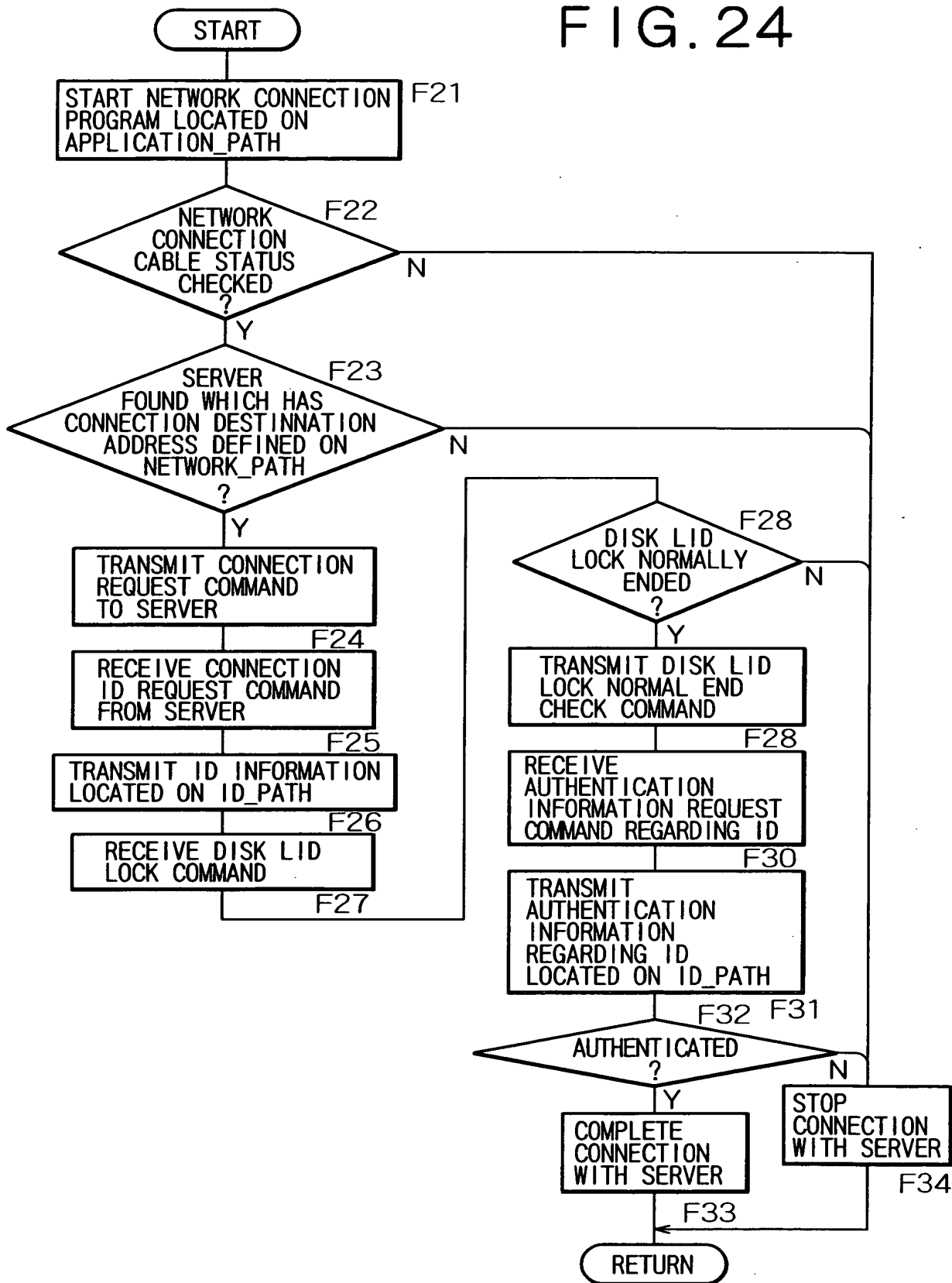


FIG. 23



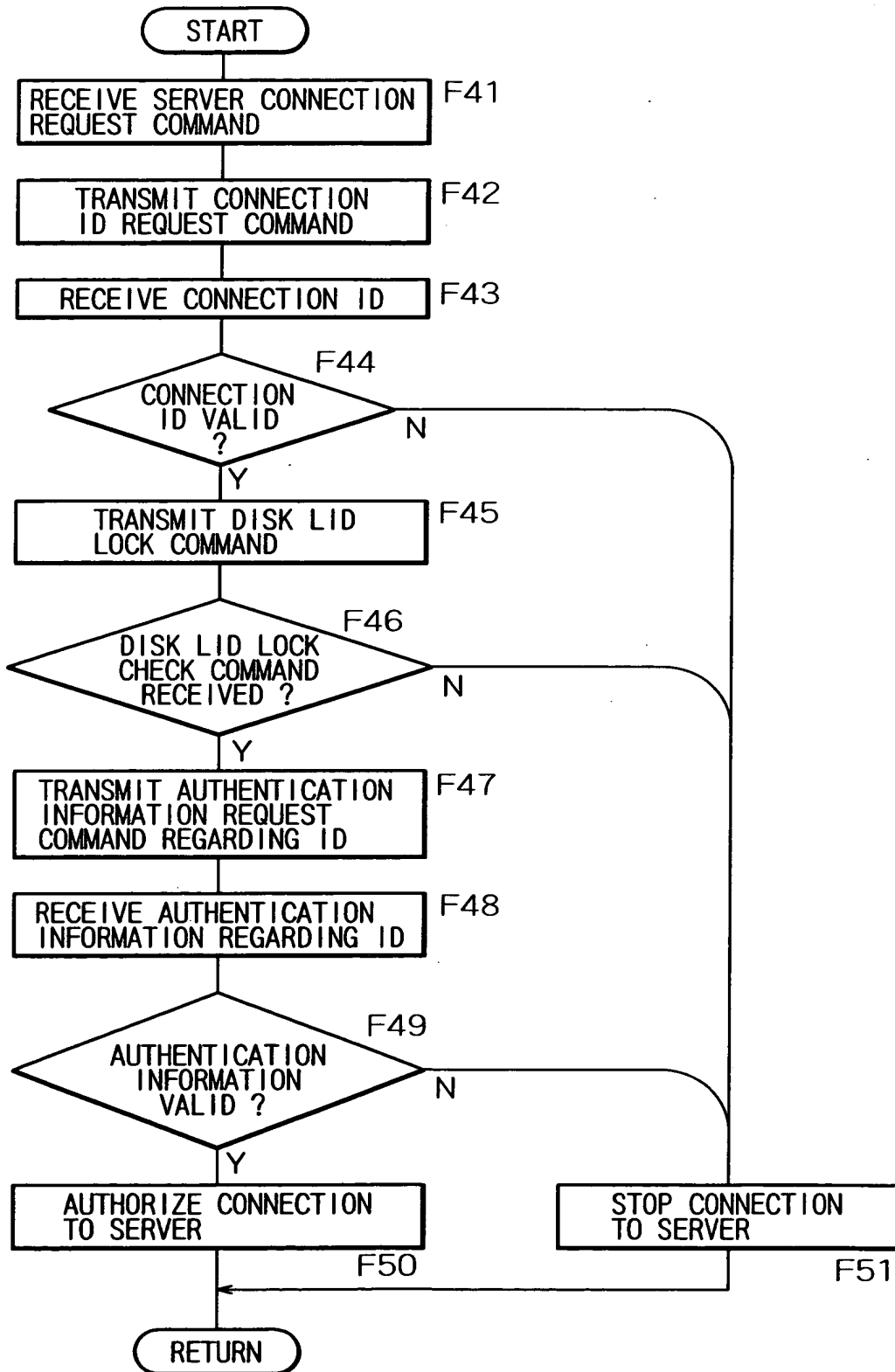
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FIG. 24



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FIG. 25



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FIG. 26

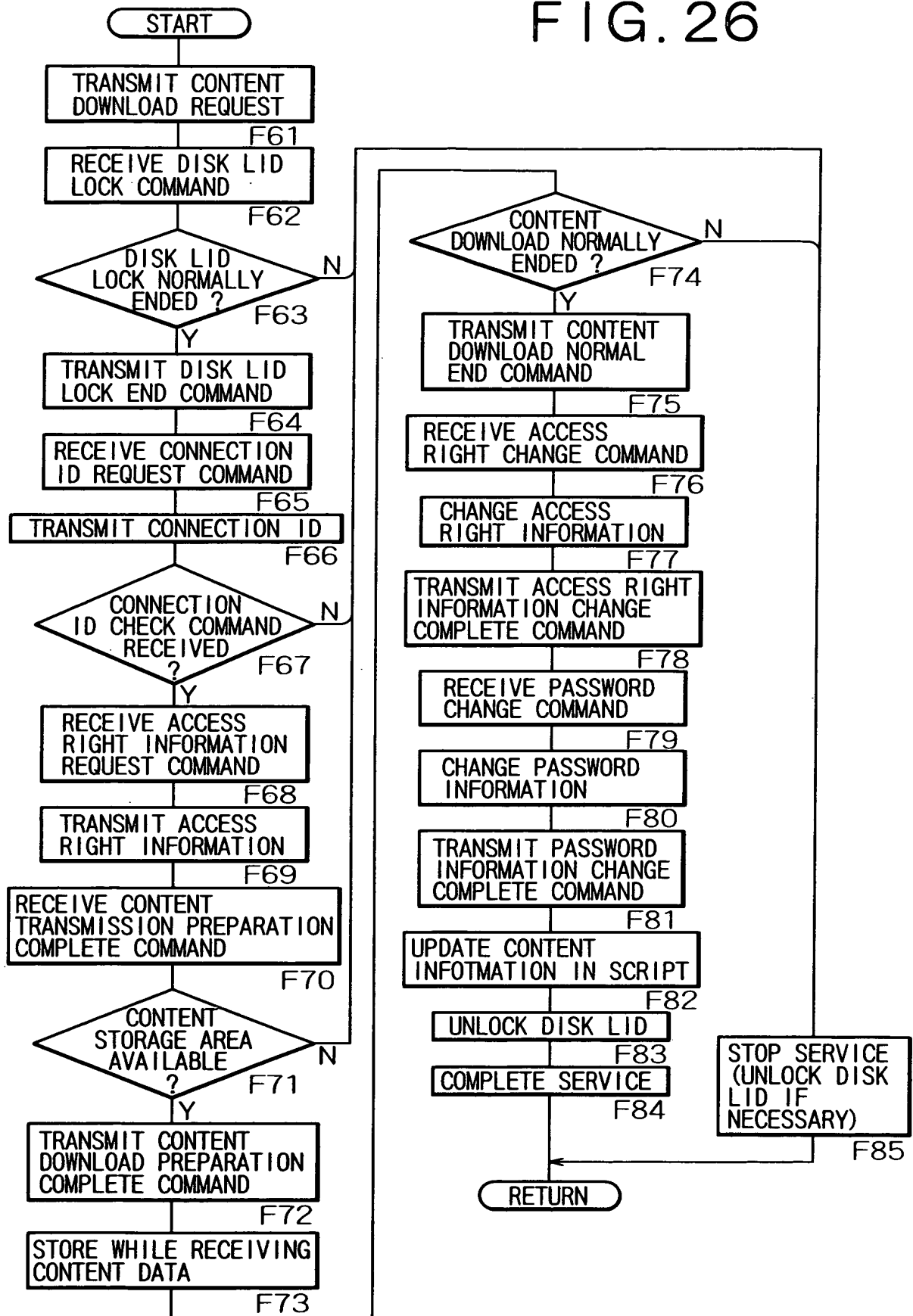


FIG. 27

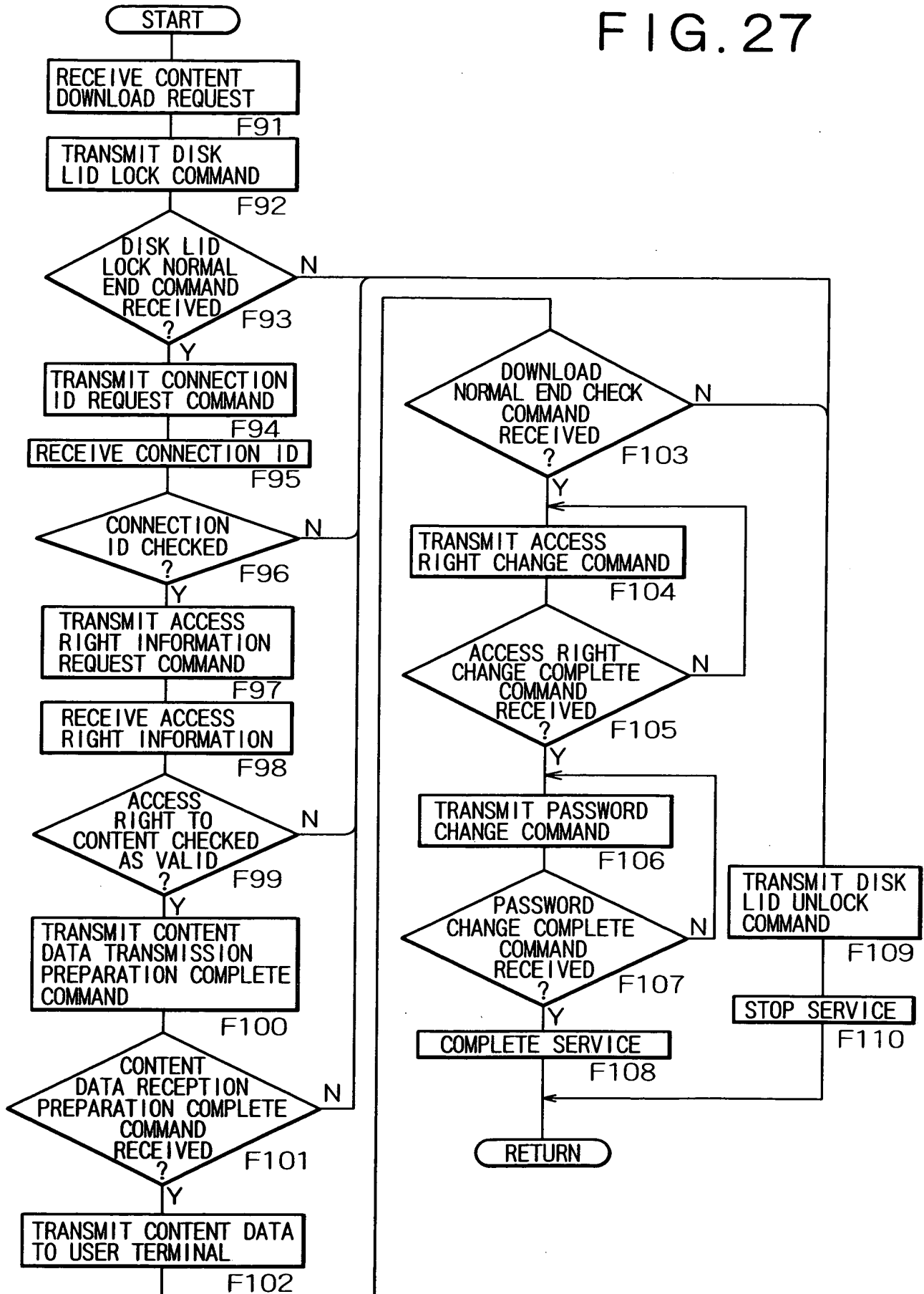
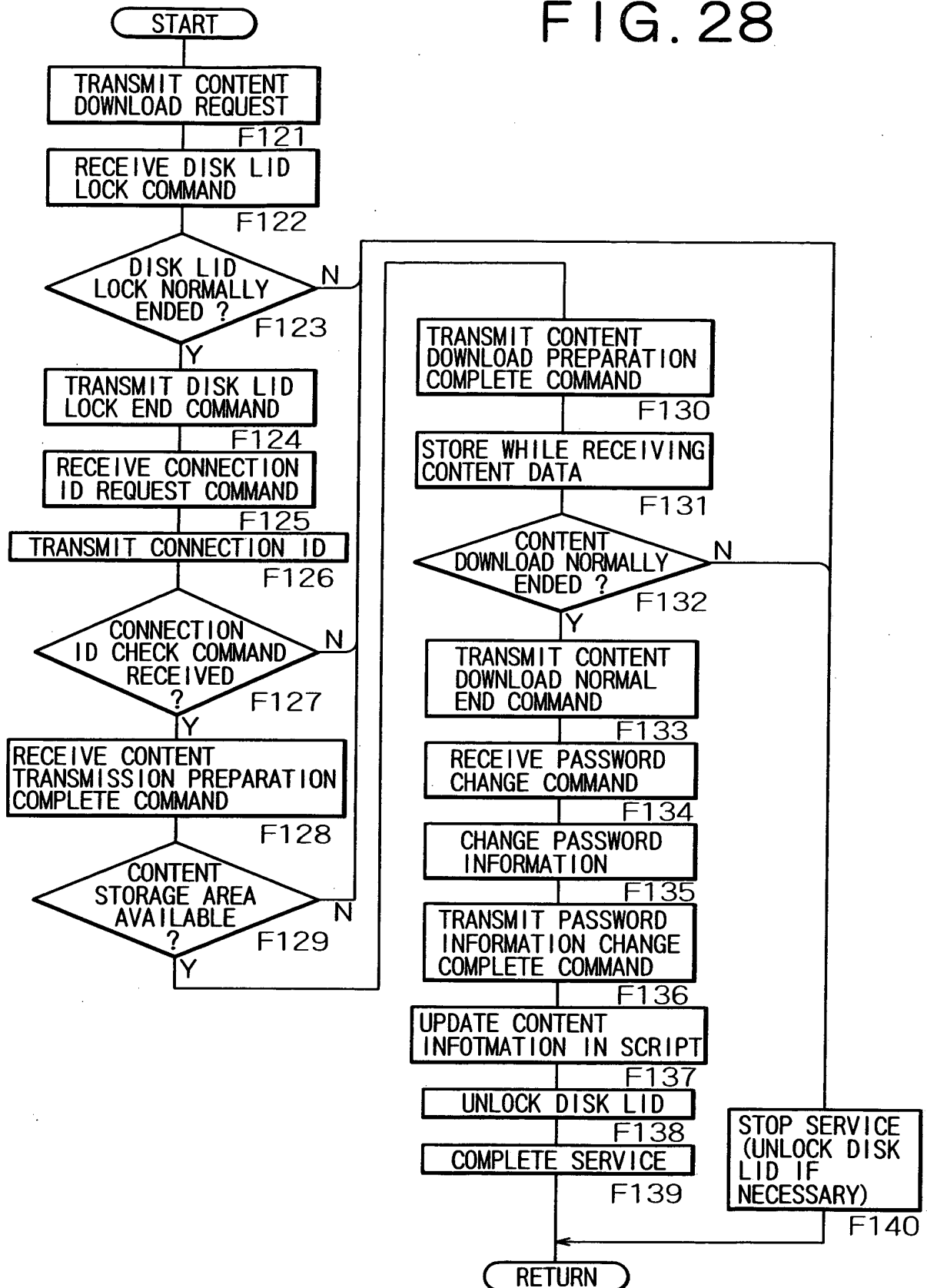


FIG. 27

FIG. 28



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FIG. 29

10027194-12001

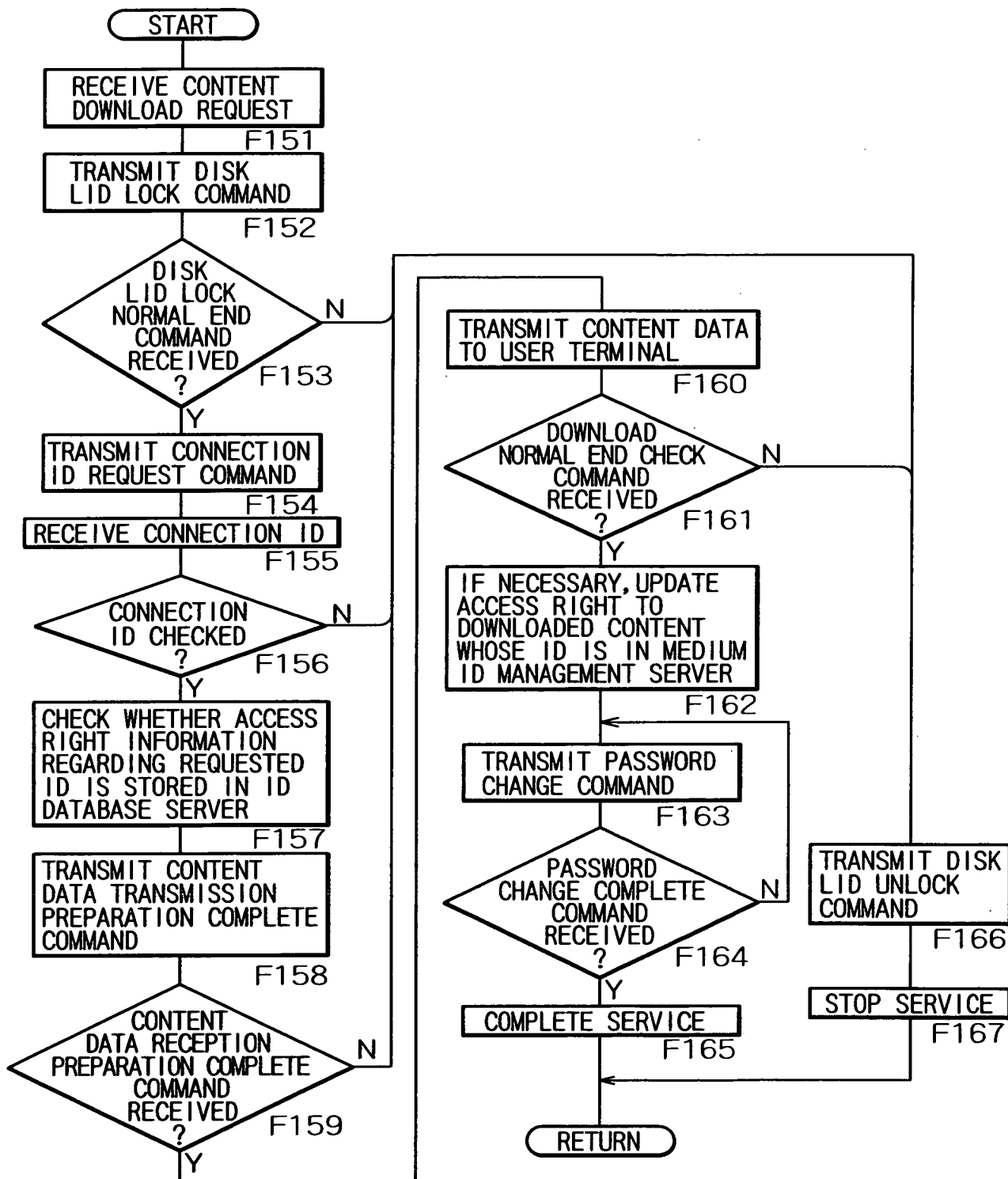
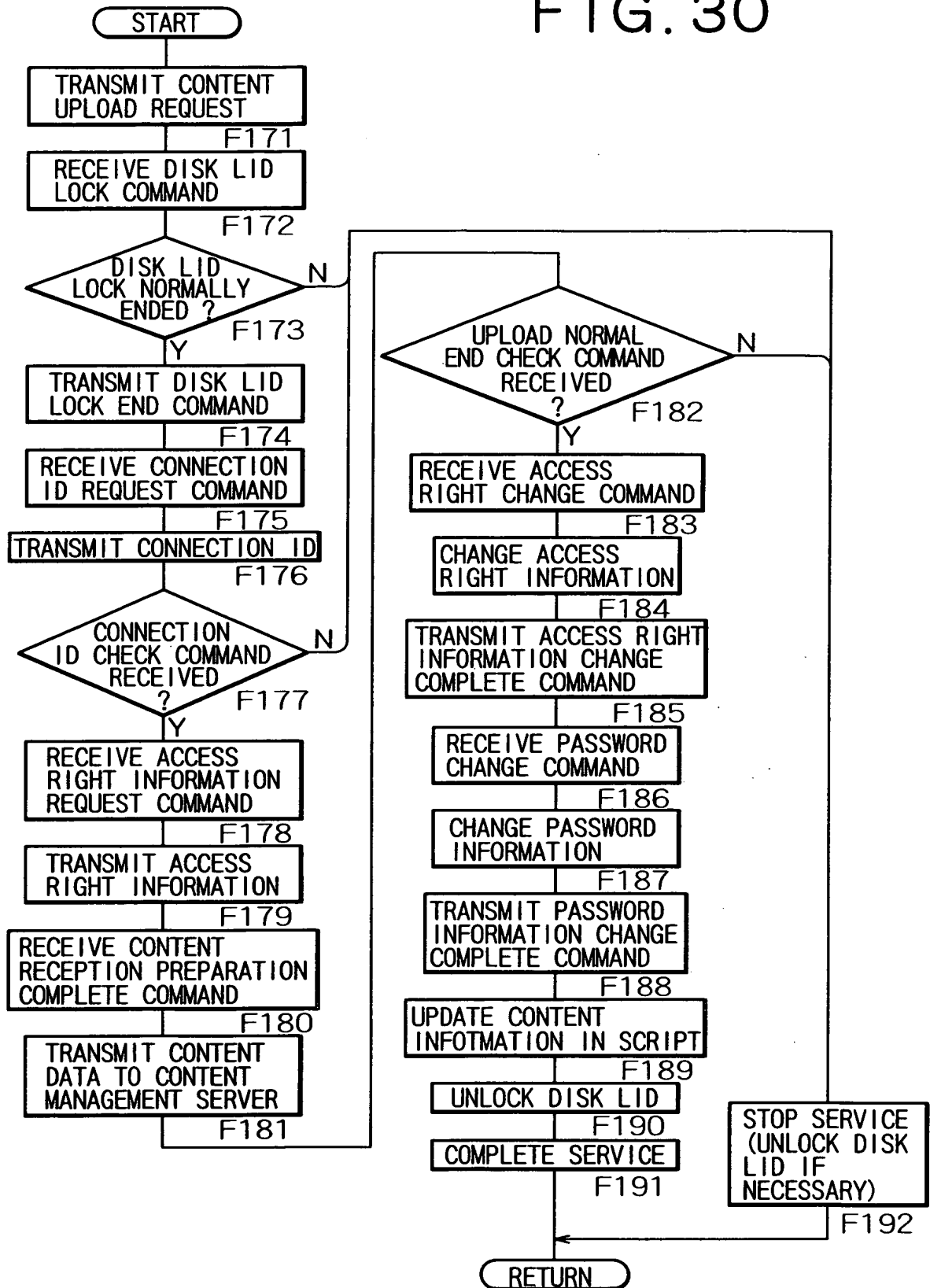
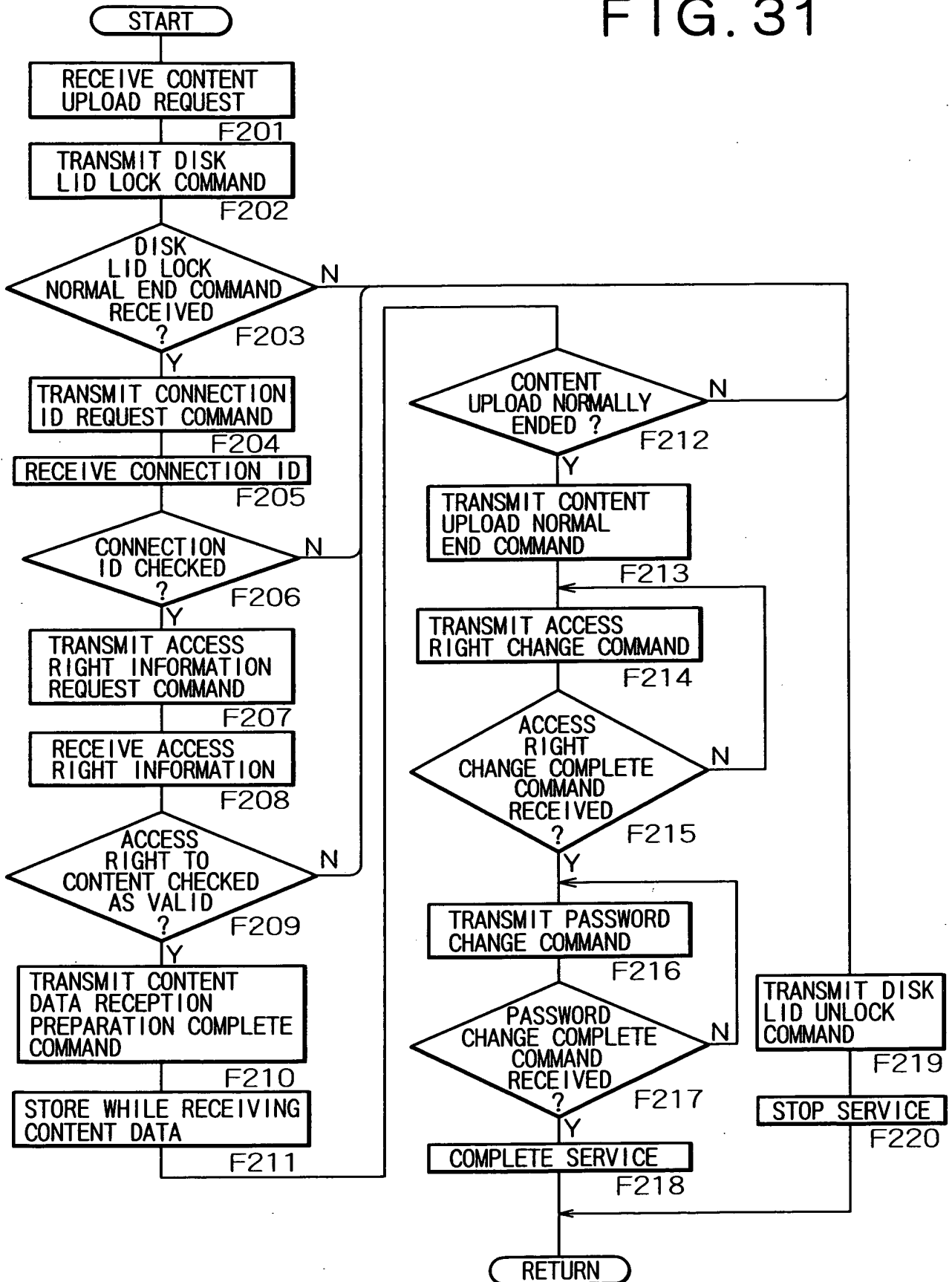


FIG. 30



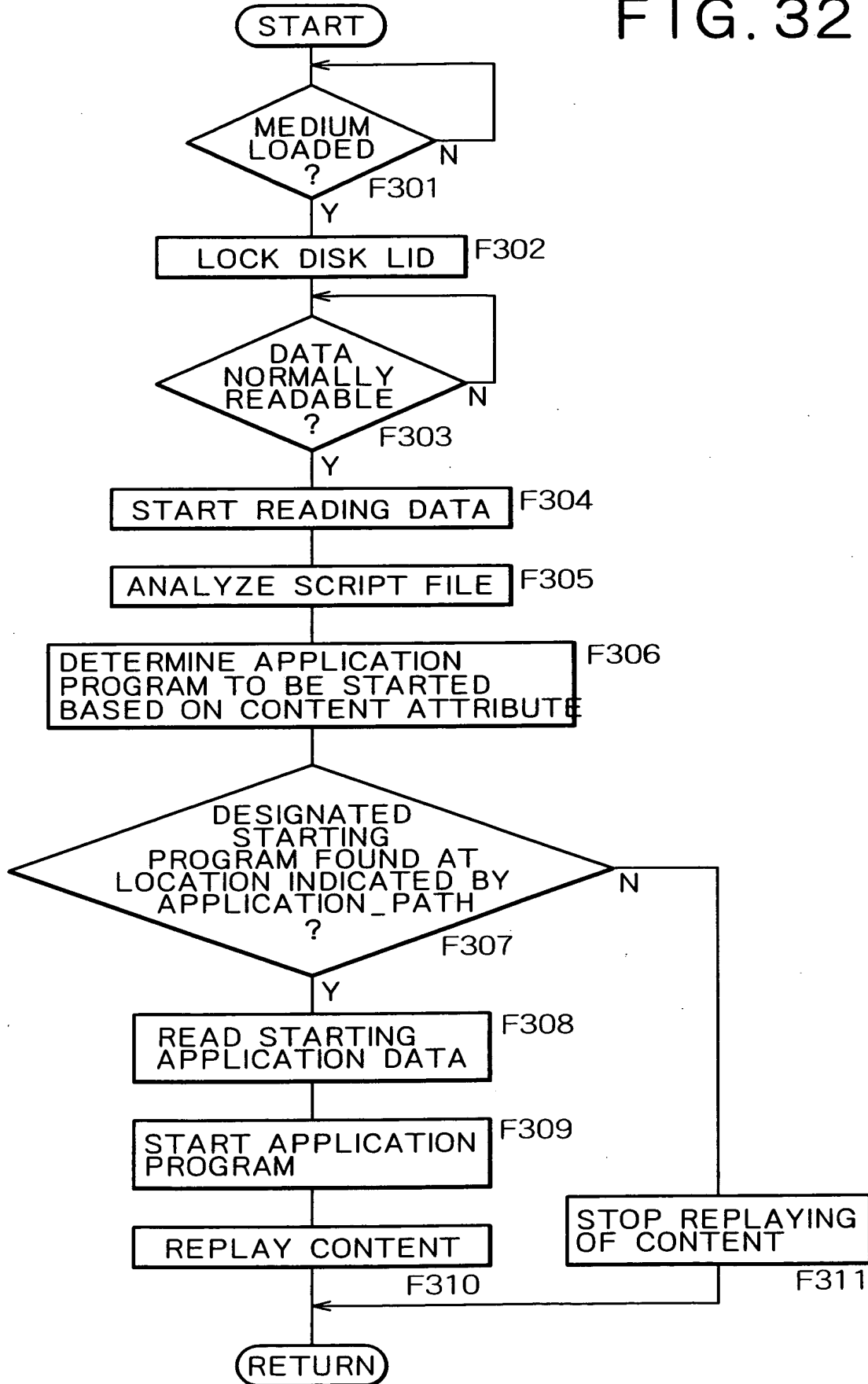
10027194-122001

FIG. 31



10027194-122001

FIG. 32



10027194-122001

FIG. 33

